

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number

WO 2004/012776 A1

(51) International Patent Classification<sup>7</sup>: A61K 51/04, (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, C07D 403/06, 403/14, 471/04 AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/EP2003/050340

(22) International Filing Date: 28 July 2003 (28.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02078164.7 1 August 2002 (01.08.2002) EP

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): PHARMACIA ITALIA S.P.A. [IT/IT]; Via R. Koch 1,2, I-20152 Milan (IT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): GIRIBONE, Danilo [IT/IT]; Via Giuseppe Carozzi 5/4, I-20147 Milan (IT). PIGNATTI, Alberto [IT/IT]; Via Venezuela, 9, I-20151 Milan (IT). FONTANA, Erminia [IT/IT]; Piazza 106 Brigata Garibaldi, 12, I-20014 Nerviano (IT).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/012776 A1

(54) Title: ISOTOPICALLY LABELLED INDOLINONE DERIVATIVES AND PROCESS FOR THEIR PREPARATION

(57) Abstract: Compounds which are isotopically labelled carbonium 14 [<sup>14</sup> C] indolinone derivatives and process for their preparation are disclosed; these compounds are useful for absorption, distribution, metabolism and excretion (ADME) studies.